

Work Order ID 58818

Wednesday, May 19, 2010 10:42:14 AM



Page 1

Item ID: D350-689-017

Accept



Setup Start



Revision ID:

Item Name: Shoulder Harness (4 point inertia reel)

Stop



Start Date: 5/19/2010 Start Qty: 1.00



Cust Item ID:

Required Date: 5/26/2010 Req'd Qty: 1.00



Customer:

Reference:

Approvals:

Process Plan:

Date: 10-5-19 Tooling:

Date:

Run Start



QC:

Date: SPC (Y/N):

Date:

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
DSI 9499	A								

100

0.00



DOCUMENT CONTROL

DC

Memo

0.00

Document Control

Photocopy bluefile and create labels per PPP D350-689-017 CHG001

8/10/06/22

110

0.00



Pick Kit

Packaging

Memo

0.00

Packaging

10-6-21 SP (R)

120

0.00



QC4- 100% Inspect kits for completeness

QC

Memo

0.00

Quality Control

8/10/06/22

(R)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

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Page 2

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Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130		0.00							
	Packaging								
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP D350-689-017								
	Location: _____								
	PPP Rev: <u>P D D F H</u>								
140		0.00							
	QC21- Final Inspection - Work Order Release								
QC	Memo	0.00							
Quality Control									

10/6/22 (1)

10/06/23 (1)

R 10-6-22 (1)

W/O:		WORK ORDER CHANGES					
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Picklist Print

Wednesday, May 19, 2010 10:42:18 AM

Page 1

Work Order ID: 58818

Parent Item: D350-689-017

Parent Item Name: Shoulder Harness (4 point inertia reel)


Comments: IPP Rev:A new issue DD 10.04.23 verified by:EC

Start Date: 5/19/2010

Required Date: 5/26/2010


Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Qty Issued	Date Issued	Status
AN5-4A  Bolt		Purchased	No			110	Each	103.0000	2		10-6-218	


Location Loc Qty Loc Code
ST337 103

108408 103

D4071-041  Shoulder Harness Assembly		Manufactured	No			110	Each	6.0000	2		10-6-218	
--	--	--------------	----	--	--	-----	------	--------	---	--	----------	--

Location Loc Qty Loc Code
FG269 6

58228 6

MS21042L5  Nut		Purchased	No			110	Each	560.0000	2		10-6-218	
--	--	-----------	----	--	--	-----	------	----------	---	--	----------	--

Location Loc Qty Loc Code
ST300 560


113523 26

113537 3

114108 31

114437 100

114449 400

NAS1149D0516J  Washer		Purchased	No			110	Each	0.0000	4		1117797 10-6-218	
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Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

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REFERENCE ONLY

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D350-689 REV. A
AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D350-689 REV 0
REF TCCA STC: SH02-33
REF FAA STC: SR01620NY
REF EASA STC: EASA.IM.R.S.01453
REF BRAZILIAN STC: 2005S03-09

PURPOSE:

TO PROVIDE AN OPTIONAL SHOULDER HARNESS KIT TO BE INSTALLED ON THE D350-689-011/-021 DUAL HIGH BACK SEAT INSTALLATIONS.

CHANGE:

ADD OPTIONAL D350-689-017 SHOULDER HARNESS KIT (4 POINT INERTIA REEL) TO PARTS LIST OF IIN-D350-689 REV A AND ICA-D350-689 REV 0 AS DETAILED BELOW.

PARTS LIST:

Qty -017	Part Number	Description
X	D350-689-017	SHOULDER HARNESS KIT (4 POINT INERTIA REEL)
2	D4071-041	SHOULDER HARNESS ASSY
2	AN5-4A	BOLT
4	NAS1149D0516J	WASHER
2	MS21042L5	NUT (OR MS21042-5)

INSTRUCTIONS:





TO INSTALL D350-689-017 SHOULDER HARNESS KIT:

1. DRILL Ø0.323 HOLES AS INDICATED ON SHEET 2, DETAIL "A" OF THIS SERVICE INSTRUCTION FOR THE INERTIA REEL.
2. DEBURR AND TOUCH UP DRILLED HOLES AS INDICATED ON IIN-D350-689 SECTION 3.1 ITEM 5 (PG 4).
3. GUIDE SHOULDER HARNESS WEBBING THRU D3031-1 LOOP BY REMOVING LOOP FIRST, POSITIONING WEBBING AND FINALLY REPLACING D3031-1 LOOP. TORQUE FASTENERS TO 15-25 in-lbs.
4. INSTALL INERTIA REEL OF D4071-041 HARNESS ASSY USING THE HARDWARE PROVIDED AS PER FIGURE 1 (SHEET 2). ALIGN INERTIA REEL TO ENSURE WEBBING IS STRAIGHT. TORQUE FASTENERS TO 100-140 in-lbs.
5. REPEAT STEPS 3 & 4 FOR THE SECOND SHOULDER HARNESS.
6. INSTALL D4071-041 LAP BELT ASSY (QTY 2) USING EXISTING HARDWARE PROVIDED WITH D350-689-041/-043 DUAL HIGH BACK SEAT ASSEMBLY. SEE FIGURE 2 (SHEET 2) FOR REFERENCE.

WEIGHT AND BALANCE:

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D350-689-017 SHOULDER HARNESS KIT (Seat's Fwd position)	4.4 lb 2.00 kg	-18.2 in -0.46 m	- 80.1 in-lb -0.92 m-kG	60.7 in 1.54 m	267 in-lb 3.08 m-kG
D350-689-017 SHOULDER HARNESS KIT (Seat's Aft position)	4.4 lb 2.00 kg	-18.2 in -0.46 m	- 80.1 in-lb -0.92 m-kG	64.7 in 1.64 m	285 in-lb 3.28 m-kG

CANADA
 DEPARTMENT OF TRANSPORT
 AIRCRAFT CERTIFICATION
 BRANCH
 DAO # 01-O-01
 APPROVED
 BY: 
 D. SHEPHERD (DE # 02)
 DATE: 10.04.13
 CERT. NO.: SH02-33
 ISSUE NO.: 1

A	NEW ISSUE.	JPH	10.04.13
REV.	DESCRIPTION	BY	DATE
DESIGN		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN			
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9499	SHEET 1 OF 2
APPROVED		TITLE	SCALE
DE APPR.		SHOULDER HARNESS KIT	NTS
DATE	10.04.13	COPYRIGHT © 2010 BY DART AEROSPACE LTD <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

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